

# The Journal

OF THE

## Royal United Service Institution.

VOL. XXIX.

1885-6.

APPENDIX.

### PROCEEDINGS OF THE FIFTY-FIFTH ANNIVERSARY MEETING.

THE FIFTY-FIFTH ANNIVERSARY MEETING of the Members was held in the Theatre of the Institution on Saturday, March 6th, 1886.

THE MOST HONOURABLE THE MARQUIS OF RIPON, K.G., G.C.S.I., C.I.E., FIRST LORD OF THE ADMIRALTY, IN THE CHAIR.

I. The Secretary read the Notice convening the Meeting.

II. The Fifty-fifth Annual Report was read as follows:—

1. The Council have the pleasure of submitting their FIFTY-FIFTH Annual Report.

#### MEMBERS.

2. Fifty-one Life Members and One hundred and Thirty Annual Subscribers, making a total of One hundred and eighty-one new Members, joined the Institution during the past year. The loss by death amounted to Ninety-seven, and Seventy-one Members withdrew their names, whilst the names of 42 have been struck off the list in consequence of the non-payment of their subscriptions, after frequent applications.

#### STATEMENT OF CHANGES AMONG THE MEMBERS SINCE 1ST JANUARY, 1885.

	Life.	Annual.	Total.
Number of Members, 31st December, 1884 ..	1,436	3,177	4,613
"      "      joined during 1885 ..	51	130	181
	1,487	3,307	4,794
Changed from Annual to Life .. ..	+ 10	— 10	
	1,497	3,297	4,794
Deduct—Deaths during 1885 ..	19	78	
Withdrawals .. ..	—	71	
Struck off .. ..	—	42	
	19	191	191
Number of Members on 1st January, 1886	1,478	3,106	4,584

A tabular analysis of the present and past state of the Institution is given in the Appendix, page 7.

#### FINANCE.

3. An Abstract of the Accounts, duly audited, is given on the following page.

GENERAL ABSTRACT OF THE ACCOUNTS OF THE ROYAL UNITED SERVICE INSTITUTION,  
FROM 1st JANUARY to 31st DECEMBER, 1885.

	EXPENDITURE.	£	s.	d.	£	s.	d.	£	s.	d.	RECEIPTS.	£	s.	d.	£	s.	d.		
Secretary's Salary	***	***	***	***	£350 Salary	400	-	Annual Subscription,	at 10s.	***	***	***	138	8	6	2,636	8	6	
Librarian's Salary	***	***	***	***	£40 Lodging allowance	71	10	"	"	***	***	***	50	12	1	2,857	1	6	
Clerk's Salary	***	***	***	***	710	-	-	above 10s.	"	***	***	***	12	1	-	181	-	-	
Servants' Wages	***	***	***	***	522	17	-	arrears	"	***	***	***	***	***	***	484	14	1	
Ditto Clothing	***	***	***	***	69	5	6	advance	"	***	***	***	***	***	***	432	7	11	
Insurance	***	***	***	***	20	5	-	Entrance Fees	***	***	***	***	***	***	***	***	***	-	
Ground Rent	***	***	***	***	200	7	3	Dividends	***	***	***	***	***	***	***	***	***	-	
Fuel	***	***	***	***	54	19	3	Sale of Journals	***	***	***	***	***	***	***	***	***	-	
Lighting	***	***	***	***	31	3	-	Miscellaneous Receipts	***	***	***	***	***	***	***	***	***	-	
Assessed Taxes	***	***	***	***	81	10	2	Government Grant	***	***	***	***	***	***	***	***	***	-	
Rates	***	***	***	***	126	18	-	Interest on Money at 7 days' notice	***	***	***	***	***	***	***	***	***	-	
Artificers	***	***	***	***	112	3	5	Donation	***	***	***	***	***	***	***	***	***	-	
Library (purchase of Books, Maps, &c.)	***	***	***	***	169	-	-	Life Subscriptions received in 1885	***	***	***	***	***	***	***	600	7	5	
Museum	***	***	***	***	-	19	6	Life Subscriptions received in 1885	***	***	***	***	***	***	***	16	4	2	
Advertisements	***	***	***	***	130	6	9	Interest on Money at 7 days' notice	***	***	***	***	***	***	***	***	***	-	
Printing, Stationery, &c.	***	***	***	***	167	15	5	Donation	***	***	***	***	***	***	***	***	***	-	
Leuents	***	***	***	***	11	4	2	Interest on Money at 7 days' notice	***	***	***	***	***	***	***	***	***	-	
Journals	***	***	***	***	1,486	8	8	Donation	***	***	***	***	***	***	***	***	***	-	
Postage	***	***	***	***	28	9	0	Interest on Money at 7 days' notice	***	***	***	***	***	***	***	***	***	-	
Letters	***	***	***	***	255	13	31	Donation	***	***	***	***	***	***	***	***	***	-	
Journal	***	***	***	***	284	2	4	Interest on Money at 7 days' notice	***	***	***	***	***	***	***	***	***	-	
House Expenses and Sundries	***	***	***	***	68	4	11	Interest on Money at 7 days' notice	***	***	***	***	***	***	***	***	***	-	
Gold Metal	***	***	***	***	11	11	6	Interest on Money at 7 days' notice	***	***	***	***	***	***	***	***	***	-	
Cash repaid to Agents	***	***	***	***	7	2	-	Interest on Money at 7 days' notice	***	***	***	***	***	***	***	***	***	-	
Charges from Agents	***	***	***	***	6	-	-	Interest on Money at 7 days' notice	***	***	***	***	***	***	***	***	***	-	
For £401 10s. 1d., New 3 per cent., nt 99½	***	***	***	***	400	-	-	Interest on Money at 7 days' notice	***	***	***	***	***	***	***	***	***	-	
For £500 0s. 0d., " " at 99½	***	***	***	***	500	-	-	Interest on Money at 7 days' notice	***	***	***	***	***	***	***	***	***	-	
Balance £ Cash in Bank	***	***	***	***	31 Dec. 1885	200	5	9	Cash in Bank, 31st December, 1884	***	***	***	***	***	***	***	177	11	10
£ Cash in hand Postage account	***	***	***	***	15	7	-	Cash in hand, Postage account	***	***	***	***	***	***	***	17	1	2	
Do.	***	***	***	***	201	1	4	£5,299 1 2	£5,299 1 2	£5,299 1 2	£5,299 1 2	£5,299 1 2	£5,299 1 2	£5,299 1 2	£5,299 1 2	£5,299 1 2	£5,299 1 2	£5,299 1 2	

Audited and found correct—  
9th February, 1886.

F. R. Wethered, Lt.-Col. }  
F. R. Karr, } Auditrix.

J. Day, Accountant.

## ESTIMATE OF RECEIPTS AND EXPENDITURE FOR THE YEAR 1886.

EXPENDITURE.		£ s. d.	RECEIPTS.		£ s. d.
Secretary's Salary and Lodging allowance ..	..	400 - -	Balance at Bankers, 31st Dec., 1884 ..	..	201 - -
Librarian's Salary ..	..	180 - -	Annual Subscriptions:		
Clerk's do. ..	..	74 - -	£ s. d.		
Servants' Wages ..	..	532 - -	At 10s. ..	150 - -	
Ditto Clothing ..	..	75 - -	Above 10s. 2,700 - -		
Insurance ..	..	23 - -			2,850 - -
Ground Rent ..	..	205 - -	Entrance Fees ..	..	200 - -
Fuel ..	..	60 - -	Dividends and Interest on		
Lighting ..	..	50 - -	Exchequer Bills ..	..	500 - -
Assessed and Income Taxes ..	..	85 - -	Government Grant ..	..	600 - -
Parish and Water Rates ..	..	140 - -	Sale of Journals ..	..	400 - -
Artificers, Repairs, &c. ..	..	200 - -			
Museum ..	..	150 - -			
Gold Medal ..	..	12 - -			
Library and Topographical Departments ..	..	250 - -			
Advertisements ..	..	120 - -			
Printing Circulars & Stationery ..	..	180 - -			
Maps, Diagrams, &c., for Lectures ..	..	50 - -			
Journals, including Printing Annual Report and List of Members ..	..	1,400 - -			
Postage of Journals ..	..	220 - -			
Postage ..	..	30 - -			
House Expenses and Sundries ..	..	80 - -			
Balance ..	..	235 - -			
Total ..	..	<u>£4,751 - -</u>	Total ..	..	<u>£4,751 - -</u>

## LIFE SUBSCRIPTIONS AND CAPITAL ACCOUNT.

4. Life Subscriptions to the amount of £500, and £400 of Income (the latter to the Building Fund), have been invested in New Three per Cents., producing £901 10s. 1d., thus raising the funded property of the Institution to £16,902 19s. 2d. on the 1st January, 1886.

## THE FUTURE LOCALITY OF THE INSTITUTION.

5. The Council do not anticipate that any change will take place during the present year.

## PAPERS.

6. Papers on the following subjects were read and discussed during the year, viz.:—

COLONEL G. H. MONCRIEFF, Commanding Scots Guards. "State and National Responsibility in regard to the Employment of Reserve Soldiers, and their Transfer to Civil Life."

CAPTAIN C. C. P. FITZGERALD, R.N. "Side Armour *versus* Armoured Decks, from a Naval Point of View."

MAJOR G. MACKINLAY, R.A. "Mild Steel applied to Naval and Military Purposes."

LIEUTENANT R. S. LOWEY, R.N. "Musketry Instruction afloat, and the Application of Rifle fire in Ship-actions."

LIEUT.-COLONEL J. H. A. MACDONALD (Commandant, the Queen's City of Edinburgh Rifle Volunteer Brigade). "The Changes required in the Field Exercise for Infantry."

CAPTAIN C. C. P. FITZGERALD, R.N. "Naval Education."

GENERAL J. T. WALKER, C.B., F.R.S., LL.D. "The Russo-Afghan Frontier."

COMMANDER E. J. P. GALLWEY, R.N. "The Use of Torpedoes in War."

W. ANDERSON, Esq., M.I.C.E. (Messrs. Easton & Anderson). "The Capabilities of Private Firms to manufacture Heavy Ordnance for H.M.'s Services."

GENERAL SIR GEORGE W. GREEN, K.C.B., Bengal Staff Corps. "The Employment and Organization of Camel Corps in Warfare."

LIEUT.-COLONEL J. MOODY, R.M.L.I., Admiralty Recruiting Service. "Recruiting for Her Majesty's Service."

Discussion on the Article by LIEUT.-GENERAL SIR EDWARD HAMLEY, K.C.B., K.C.M.G., published in "The XIX. Century," entitled "The Volunteers in Time of Need."

SIR WILLIAM SMART, K.C.B., late Inspector of Hospitals, R.N. "The Native Tribes of Egypt and the Soudan."

VICE-ADMIRAL J. H. SELWYN. "Development of Liquid Fuel for Marine Purposes."

COLONEL SIR CHARLES H. NUGENT, K.C.B. "Recent Colonial Acquisitions by Foreign Powers, and their Commercial and Strategical Aspects."

FREDERICK A. GOWER, Esq. "A System of Air Torpedoes; with Remarks upon the latest Attempts at Air Navigation for War Purposes."

LIEUTENANT A. W. CHISHOLM-BATTEN, R.N. "Electricity as applied to Naval Purposes."

Discussion on the subject of the Military Prize Essay, viz., "Should the European Army in India be continued as at present constituted, or should it be converted in whole or in part into a Local Force?"

MAJOR C. COOPER KING, R.M.A., Instructor in Tactics, &c., Royal Military College, Sandhurst. "Soudan Warfare."

J. K. LAUGHTON, Esq., M.A., R.N., Lecturer on Naval History, Royal Naval College, Greenwich. "Notes on the last Great Naval War (1793-1815)."

COLONEL F. S. RUSSELL, the Royal Dragoons. "Providing Remounts for our Cavalry and Artillery."

CAPTAIN S. PASFIELD OLIVER, late Royal Artillery. "Examples of Military Operations in Madagascar by Foreign Powers; and Native Campaigns, 1642-1881."

COLONEL R. HARRISON, C.B., C.M.G., R.E., Assistant Adjutant and Quartermaster-General, Aldershot. "What can the Volunteers of England do to render themselves fit to take the Field?"

MAJOR M. R. WEST, Royal Horse Artillery. "Suggestions for the Adoption and Adaptation of the Single Barrel Machine Gun for the various Branches of the Land Service."

ARCHIBALD R. COLQUHOUN, Gold Medallist R.G.S., late Special Correspondent of the "Times," &c. "England, China, and Russia in Asia."

The thanks of the Members of the Institution are due to the authors of the above papers for the valuable professional information thus afforded.

## THE JOURNAL.

7. It will be gratifying to the Members to learn that the sale of the Journal produced last year £432 7s. 11d. as compared with £332 14s. 8d. in the previous year.

## LIBRARY.

8. The Library now contains 21,370 volumes, of which Four hundred and twenty-seven have been added since the last Report; of these, one hundred and thirty-seven have been purchased, one hundred and sixty-three presented, and the remainder are bound periodicals, &c.

Donations of books and maps have been received from the Governments of Austria, Brazil, Denmark, France, Germany, Italy, the Netherlands, Russia, Spain, Sweden, Switzerland and the United States.

The thanks of the Council have been conveyed to the several Governments for these donations.

The Institution is indebted to the Lords Commissioners of the Admiralty, and to the Secretaries of State for War and India, for copies of various works issued by their departments.

The exchange of Journals with Foreign Governments and with many Scientific Societies, in this and other countries, has been continued.

## MUSEUM.

9. A list of the additions to the Museum and Library will be found in the "Proceedings" of this day's meeting, and in the Appendix to Vol. XXIX. of the Journal.

## VICE-PATRONS.

10. The Council record with deep regret the deaths of the following distinguished Vice-Patrons, viz.: Admiral of the Fleet Sir George R. Sartorius, K.C.B.; His Grace the Duke of Somerset, K.G.; and Field Marshal Lord Strathnairn, G.C.B., G.C.S.I.

Sir George R. Sartorius joined the Institution in 1831, and was a Member of its first Committee; he was elected a Vice-Patron in 1869, on obtaining the rank of Admiral of the Fleet.

The Duke of Somerset became a Member in 1860. It was through his influence, when First Lord of the Admiralty, that the Annual Grant was raised, in 1865, from £400 to £600. His Grace was elected a Vice-Patron in 1877.

Field Marshal Lord Strathnairn joined the Institution in 1877, and was elected a Vice-Patron the same year.

## CORRESPONDING MEMBERS OF COUNCIL.

11. On the 1st January, 1886, the number of Corresponding Members of Council was 273.

## GOLD MEDAL.

12. Seven Essays were received in compliance with the conditions of the competition for the Gold Medal, the subject being—

“The changes in the condition of naval warfare, owing to the introduction of the ram, the torpedo, and the submarine mine; having regard chiefly to the following points in our own and foreign navies, viz.:—Training of Personnel; Construction and Protection of Materiel, and Attack and Defence of Ships and Harbours.”

Admirals the Rt. Hon. Sir A. Cooper Key and H. Boys, and Commander W. H. May, kindly undertook the duties of referees. Their decision will be made known to this Meeting.

The subject for the Military Essay for this year is—

“Lessons to be learned from the Campaigns in which British Forces have been employed since the year 1865.”

The competition is open to Members of the Institution, and to all who are eligible to become Members.

13. The following Members retire by seniority of service on the Council, viz. :—

Surgeon-General W. A. MACKINNON, C.B.	Colonel D. MILNE HOME.
General G. ERSKINE.	Lieut.-General Lord CHELMSFORD, G.C.B.
Lieut.-General D. ANDERSON.	General Sir ARTHUR J. HERBERT K.C.B.
Lieut.-General R. W. LOWRY, C.B.	Admiral Sir F. L. MCCLINTOCK, F.R.S.

The Council submit the names of ten Members, from which vacancies may be filled up. The first eight on the list are proposed for immediate election, viz. :—

General ERSKINE.	} For re-election.
Lieut.-General Lord CHELMSFORD, G.C.B.	
Admiral Sir LEOPOLD MCCLINTOCK, F.R.S.	
Lt.-Colonel T. H. BAYLIS, late 18th Mx. R. Vols., Q.C.	
Vice-Admiral Sir EDMUND J. COMMERELL, G.C., K.C.B., M.P.	} For immediate election.
Lt.-Colonel W. B. HALL, R.A., Asst. Adj.-General, Woolwich.	
Rear-Admiral the Hon. EDMUND R. FREMANTLE, C.B., C.M.G.	
Colonel J. BEVAN EDWARDS, C.B., R.E., Comt. S.M.E., Chatham.	
Major H. S. MILES, R. Muns. Fus., Garr. Instructor, Aldershot.	
Rear-Admiral J. K. BAIRD, Adm.-Supt. of Naval Reserves.	

## CONCLUSION.

In conclusion, the Council trust that, although there is a decrease in the total number of the Members, the Institution will be considered to be in a sound and flourishing condition.

WHITEHALL YARD,

By Order,

19th February, 1886.

B. BURGESS, CAPTAIN,

Secretary.

## APPENDIX.—TABULAR ANALYSIS OF THE STATE OF THE INSTITUTION.

Year. 1st Jan. to 31st Dec.	Annual Subs. received.	En- trance Fees.	Income (from all sources).	Life Subs. received.	Amount of Stock.	Invested in the pur- chase of Books, &c.	No. of Vols. in Library.	No. of Members on the 31st Dec.	Number of Visitors.
1831	654	..	654	1,194	..	..	..	1,437	..
1832	1,146	..	1,146	973	..	..	..	2,699	..
1833	1,405	..	1,450	692	..	..	..	3,341	..
1834	1,500	..	1,549	583	1,100	..	..	3,748	13,376
1835	1,480	..	1,574	366	2,430	40	..	4,155	8,537
1836	1,570	..	1,682	330	3,747	45	..	4,069	8,521
1837	1,549	..	1,747	222	4,747	180	..	4,164	10,907
1838	1,462	..	1,634	230	5,500	246	..	4,175	15,788
1839	1,399	..	1,565	163	5,500	292	..	4,186	16,248
1840	1,363	..	1,525	198	5,500	446	5,500	4,257	17,120
1841	1,450	..	1,643	186	6,000	243	5,850	4,243	19,421
1842	1,373	..	1,565	144	6,400	373	6,450	4,127	21,552
1843	1,299	..	1,494	140	6,700	237	7,000	4,078	27,056
1844	1,274	..	1,408	112	3,000	298	7,850	3,968	22,767
1845	1,313	..	1,466	228	1,500	127	8,100	3,988	21,627
1846	1,298	..	1,456	138	1,500	74	8,410	4,031	32,885
1847	1,314	74	1,502	132	1,700	37	..	4,017	38,699
1848	1,175	57	1,375	48	1,700	85	9,641	3,947	37,140
1849	1,176	72	1,375	84	1,150	58	..	3,970	33,333
1850	1,141	106	1,294	198	600	36	..	3,998	33,773
1851	1,136	131	1,292	66	666	34	10,150	3,188	52,173
1852	1,134	133	1,281	114	200	43	10,300	3,078	20,609
1853	1,243	319	1,684	264	528	41	10,420	3,251	25,952
1854	1,200	138	1,368	126	612	95	10,587	3,171	22,661
1855	1,159	107	1,289	120	653	55	10,780	3,131	14,778
1856	1,216	197	1,519	156	761	47	10,832	3,204	16,184
1857	1,258	176	1,937	78	1,038	40	10,960	3,168	12,755
1858	1,318	221	2,102	105	438	31	11,062	3,246	25,747
1859	1,526	195	2,277	512	946	70	11,320	3,344	28,739
1860	1,961	298	3,577	397	2,178	114	11,517	3,518	28,011
1861	2,122	305	2,899	266	2,846	99	11,812	3,689	23,296
1862	2,296	242	3,127	239	3,178	109	12,026	3,797	27,215
1863	2,379	218	3,100	405	3,583	143	12,296	3,847	18,150
1864	2,425	215	3,253	222	4,516	116	12,700	3,902	17,276
1865	2,435	154	3,467	235	4,804	137	13,000	3,895	18,253
1866	2,435	157	3,488	299	5,486	150	13,337	3,891	17,067
1867	2,431	141	3,467	208	5,732	140	13,800	3,823	17,211
1868	2,446	184	3,534	297	6,396	119	14,100	3,812	16,417
1869	2,368	165	3,485	238	6,653	232	14,669	3,792	15,947
1870	2,376	178	3,493	333	7,313	140	15,055	3,831	18,654
1871	2,455	237	3,677	538	7,748	202	15,501	3,922	19,420
1872	2,620	336	4,111	713	8,927	192	15,761	4,116	19,773
1873	2,776	295	4,316	535	9,465	222	16,227	4,276	18,188
1874	2,819	216	4,491	409	10,189	218	16,624	4,330	16,771
1875	2,801	154	4,595*	469	10,721	228	17,000	4,308	15,960
1876	2,794	162	4,500	437	11,305	171	17,700	4,320	15,543
1877	2,840	218	4,750	526	11,725	217	18,300	4,405	15,682
1878	2,881	231	4,700	459	12,091	231	18,750	4,485	17,881
1879	2,904	180	4,490	407	12,505	254	19,170	4,473	15,529
1880	2,962	255	5,115*	577	12,965	240	19,565	4,531	13,041
1881	2,893	238	4,967	645	13,670	240	19,920	4,577	12,507
1882	2,829	181	4,739	491	14,069	174	20,352	4,591	12,546
1883	2,892	205	5,023	692	15,251	157	20,658	4,627	11,482
1884	2,851	172	4,950	491	16,000	207	20,943	4,613	12,388
1885	2,857	181	5,121	545	16,902	169	21,370	4,584	12,220

\* A legacy of £100 was received this year.

## III. General OLPHERTS, V.C., C.B. :—

My Lords and Gentlemen,—My duty is a very simple and easy one, it is merely to propose, "That the Report now read be adopted and printed for circulation among the Members." I have not, I confess, had much time to go through the figures in the Report, but the Secretary has given us the leading points in it, and, as far as my knowledge goes, it is satisfactory—I might say, perhaps, very satisfactory,—but I am really not sufficiently conversant with the matter to speak with authority in this respect. I daresay there are some present who recollect that, on the last occasion when I was in this theatre, I had something to say on the subject of the lecture delivered by Sir Gerald Graham. I hope that anything I may have uttered on that occasion has not been mistaken; my sole object was to excite as much interest as possible in the lecture given by that most distinguished officer, and I hope that, in endeavouring to do so, by enlivening the meeting, I was not out of place. I came to-day, partly thinking that we were going to have a lecture connected with the Navy, seeing that the noble Lord at the head of the Admiralty was to take the Chair. I am sorry to understand that there is not to be any lecture of the kind to-day, for I take a very deep interest in the Navy, having done so from my youth upwards; in fact, you know the saying of the man who might have been in the Army, "If it had not been for those great guns, I would myself have been a soldier;" and it is just possible, if it had not been for those great ships and the great tremulous ocean, I might have found myself in the Navy. I believe, if I had been in the Navy, I should have enjoyed that service very much; whether it would have enjoyed me is quite another thing. I hope I am not detaining you, and I wish that my gallant friend the Admiral of the Fleet, Sir Henry Keppel, were present, because he would remember a little incident that happened when we were both coming home from the Crimea in the "Orinoco." He asked me (at that time the war was by no means finished) what I proposed to do with myself—we were coming home on short leave. "Well," I said, "I think I shall apply for the command of a gunboat in the Baltic." "A gunboat!" said he, "you are a military officer." "True," said I, "but there is a naval officer actually commanding a battery of Horse artillery in the Osmanli Cavalry, and I think I have as much claim to command a gunboat as that naval officer has to command a battery of Horse artillery." That shows that I had my eye on the Navy at that time, and I have never let it go since. I cannot conclude without expressing my great satisfaction in having been selected in this humble way to move the Resolution in question, while my noble friend, if I may presume to call him so, is in the Chair. I experienced the greatest kindness and consideration from Lord Ripon when I was in India, which I can never forget, and I am very glad indeed to have such an opportunity of acknowledging the same.

## Admiral the Hon. E. R. FREMANTLE, C.B., C.M.G. :—

My Lords and Gentlemen,—I feel it will not be necessary for me to say more than a few words in seconding the Motion for the adoption of the Report which has been read to us. There are, however, one or two points on which I should like to say a word. In the first place, it is extremely satisfactory to find that we have had so large an addition to the number of the volumes in the Library. The Library is to me, at least, one of the most useful departments of the Institution; I think, therefore, that any addition to its contents is very satisfactory. Officers can come here and consult documents of interest to either service, and they are pretty sure to find them; or, if they are not here, if they give information to the Secretary, if they are books which ought to be in the Library, one feels pretty certain that they will be sent for. It is also very satisfactory that there has been an addition to the numbers of the "Journal" which have been sold. I was under the impression when I came here that they were sold to the general public, and under those circumstances I was going to remark that it proved that it is appreciated, not only by ourselves, but also by foreign Powers, and by those who are outside the Institution.\* I am, however,

\* There is a considerable sale to the public.—ED.

told that the increase is due partly, or perhaps mainly, to the Admiralty having been good enough to order the Nos. of the Journal for distribution amongst Her Majesty's ships, and under those circumstances I think our thanks are greatly due to the Admiralty. I believe the number of members has somewhat decreased; they seem to have reached the maximum in 1883, and they are now 43 less. That is not quite satisfactory, and I regret to say that the decrease is partly owing to resignations. At the same time we are glad to see that the income has increased; in fact, the Report tells us that the Institution is "in a sound and flourishing condition." There is one other remark that I should like to make: It appears that we are getting thoroughly accustomed to the tenure under which we hold this building. We know that we are liable to be turned out of it, but I think, when we read of the good offices which have been done to us by former First Lords of the Admiralty, and when we read that the late Duke of Somerset was instrumental in raising the grant which is given to this Institution by the Government from 400*l.* to 600*l.*, and also when we think of the old saying that "gratitude is a sense of favours to come," we cannot but feel very grateful to Lord Ripon for being here upon this occasion, and presiding. If ever the day should come when we have notice to quit, I hope it will be recollected that there is such a thing as "compensation for disturbance," and we may trust that those at the heads of both the great spending Departments of the State may recollect us, and that the best possible terms will be made for us.

The Resolution was then put from the Chair, and was unanimously agreed to.

General Sir C. P. BEAUCHAMP WALKER, K.C.B.:—

My Lords, Ladies, and Gentlemen.—The duty which has been delegated to me to-day is a peculiarly pleasing one. I am called upon "to return the thanks of the Meeting to the Members of the Council who retire by rotation, and to propose the names of the Members to be elected to fill their vacancies." As one of those who take a very deep interest in the welfare of this Institution, and as a pretty constant attendant at all the meetings of the Council and to the general business of the Institution, I have great pleasure in bearing testimony to the value of the gentlemen we are about to lose. I am quite sure I only speak the sentiments of all my colleagues in the Council in saying how very much we shall regret their absence; but changes are necessary; new blood must be introduced, and from the very good men who are willing and able to assist us it is necessary occasionally to choose fresh Members of Council. Those who are to be re-elected—I think I may say, with the full concurrence of the remainder of my colleagues—we shall greet with great warmth; they are three gentlemen whom we should have been most sorry to have lost from the Council, and I believe that the five gentlemen proposed for immediate election are five as useful and good men as we could possibly introduce to the Institution. I therefore propose, "That the thanks of this Meeting be given to the Members who retire by rotation, and that the following Members be elected to fill the vacancies, viz:—

"General ERSKINE.

Lieut.-General Lord CHELMSFORD, G.C.B.  
Admiral Sir LEOPOLD McCINTOCK, F.R.S.

} For re-election.

Lt.-Colonel T. H. BAYLIS, late 18th Mx. R. Vols., Q.C.  
Vice-Admiral Sir EDMUND J. COMMERELL, G.C.,  
K.C.B., M.P.

Lt.-Colonel W. B. HALL, R.A., Asst. Adj.-General,  
Woolwich.

Rear-Admiral the Hon. EDMUND R. FREMANTLE, C.B.,  
C.M.G.

Colonel J. BEVAN EDWARDS, C.B., R.E., Comt. S.M.E.,  
Chatham.

} For immediate  
election.

"And that the following names of Members be adopted from which to select in case of vacancies occurring in the Council, viz. :—

" Major H. S. MILES, R. Muns. Fus., Garr. Instructor, Aldershot.  
Rear-Admiral J. K. BAIRD, Adm.-Supt. of Naval Reserves."

I may state that I had a certain control over Major Miles for some years and know his full value as a most excellent and able officer. I have therefore very great pleasure in proposing that Resolution.

Admiral Sir FREDERIC W. E. NICOLSON, Bart., C.B. :—

My Lords and Gentlemen,—My friend Sir Beauchamp Walker has so clearly explained to you the nature of this Resolution that I need do no more than second it.

The Resolution was then put from the Chair, and was carried unanimously.

Major ANDERSON, R.H.A. :—

My Lords and Gentlemen,—It is my pleasing duty to propose the third Resolution, "That the thanks of this meeting be given to the Auditors, Lieut.-Colonel Wethered and E. R. Rait, Esq., for their valuable services, that the gentleman who goes out by rotation be re-elected, and that Lionel Charles Drummond, Esq., be elected an Auditor for the ensuing year." I need not ask the thanks of the meeting for gentlemen who voluntarily give their services to assist in settling the accounts of this Institution, especially as their valuable aid is given gratuitously. The Secretary has honoured me by asking me to say a few words with reference to the sister Institution, the United Service Institution in India, at the meetings of which our noble Chairman has done us the honour to preside, and with which for a short time I was connected. The United Service Institution in India is, you may say, an offspring of this one; whilst you have existed for 56 years, it has existed for 15; it aims at similar objects, its views are the same, and it works upon practically identical lines with yourselves. It has, I may say, a larger field to work upon: it has more various subjects, races, and countries to deal with, but it has not the advantage which you possess in having a large society all round you, and, a still greater advantage, a large number of unofficial Members, who are at liberty and free to express their opinions untrammelled by the restrictions of office. Indian society is purely an official society; most of the men who are connected with it are men in office, and therefore cannot speak their minds or write as plainly as unemployed men can do.

Whilst speaking on this matter, I find by the Report that the number of Members has somewhat declined. This has been a matter of very serious consideration in India, the maintaining the number of Members, and our obvious duty in these Institutions is to advertise them and make them known as much as possible. I notice an effort in this direction on the part of the Simla Institution mentioned in their Report for 1885; it states that Colonel E. F. Chapman, who attended the meeting on behalf of the Commander-in-Chief, made the following proposals:—"That the Council of the Institution do place itself in communication with the Royal United Service Institution with a view to the Members of the Indian Institution being considered honorary Members of the Home Institution whilst on leave in England, or such terms as regards subscription as may be agreed to, and that General Lord Chelmsford, G.C.B., be furnished with a copy of this Resolution, and that his Lordship be invited to accord his aid in the matter." I would again invite attention to this paragraph. Of course this proposal will have been heard of, or received an answer to. I would myself go further. I think it would be undoubtedly for the benefit of both Institutions if they could reciprocate in this matter—if Members on going to India became Members of the Indian Institution, and *vice versa*. It looks a big question to deal with, and it is a question that requires thinking out financially; the Indian Institution only hesitated in bringing it forward some years ago, owing to the backward state of that

Institution as compared with this one. It is a matter, however, of detail, and I am sure that this Institution would benefit to a great extent, whilst the Indian Institution would benefit immensely by some measure of this sort. By the framing of a few ordinary rules, proportionate compensating grants for Members out of the country being allowed by one branch to the other, no loss in funds need occur to either; in fact, it would be a most useful advertisement for both Institutions. I will conclude by again drawing attention to the Motion which I have been asked to propose.

Admiral Sir F. L. McCCLINTOCK, F.R.S. :—

My Lords, Ladies, and Gentlemen,—I feel it is unnecessary for me to say one word further than to second the Resolution which has been placed in my hands.

Lieut.-General Lord CHELMSFORD, G.C.B. :—

My Lords, Ladies, and Gentlemen,—As Major Anderson has kindly alluded to me, and to a Resolution passed at Simla regarding making the Members of the Institution of India Honorary Members of this Institution, by the kind permission of your Chairman, I would ask to be allowed to say a few words. It is the first time that I have ever heard of that Resolution. I am very sorry indeed that it did not come into my hands, because I certainly, being a Member of the United Service Institution of India, and having taken an interest in it during the time I was Adjutant-General of India, should most undoubtedly have felt it my duty to bring it very strongly before the Council, and to have advocated the step, supposing it was not against the rules of our Institution. If Major Anderson would kindly favour me with the Resolution which was passed, it may not be too late to consider it, and I shall be only too glad to lay the subject before the Council.

Major ANDERSON :—

I should not have spoken about it if I had imagined it had not come before the Council. I was not present when the Resolution was passed, and merely saw it in the Report of the Proceedings.

The Resolution was then put from the Chair, and was carried unanimously.

The Secretary then read the Report of the Referees on the Naval Prize Essays :—

The Gold Medal was awarded to Lieut. F. C. D. Sturdee, R.N., H.M.S. "Vernon," now serving on board H.M.S. "Bellerophon." The Essay by Captain Robert H. Harris was excluded by its length from competing for the Medal, but was recommended for publication; those by Commander Kingscote and Captain Dowding were honourably mentioned.

Admiral Rt. Hon. Sir JOHN HAY, Bt., C.B. :—

My Lords, Ladies, and Gentlemen,—It is now some twenty years since I had the honour of supporting Lord Ripon in the Chair of this Institution on a similar occasion, and he will have observed that since that time there has been introduced this admirable method of encouraging the officers of both Services to write essays and give their views in full on a variety of subjects which are of the utmost importance. We have just heard the names of distinguished officers who have contributed four of the essays which have been adjudicated upon by the gallant officers whom it is my duty to ask you to thank. Those officers are well known here, two of them especially, as members of the Council, viz., Sir Cooper Key and Admiral Boys; while Commander May is an officer whose name is thoroughly well known in the profession as a gentleman of great scientific attainment, and who, especially in inquiries into the subject of the torpedo and other modern methods of attack and defence, has distinguished himself greatly. I am sure the

meeting and the professions, both the Army and Navy, ought to be grateful to the distinguished officers who have given so much of their time and attention to this most difficult subject. It is not merely the reading of the essays, but there is the balancing of opinions; and the intimate and accurate discussion of the merits of those papers which contain questions of "Training of Personnel, Construction and Protection of Matériel, and Attack and Defence of Ships and Harbours" must require such an amount of time and investigation that it is only distinguished officers like Sir Cooper Key, Admiral Boys, and Commander May, put together, who could command that confidence which I am sure the Navy does give to them. I desire myself, on behalf of the meeting, and, I am sure, with its full concurrence, to express our thanks to them. I am sure your Lordship will observe the great advantage that has accrued to both the Services from the arrangement by which the Gold Medal has been given alternately to officers of great merit and capacity. My gallant and distinguished friend, Admiral Fremantle, was one of the earliest of those who, with most onerous duties imposed upon him at the time, found time to write an essay which commanded itself to the judgment of those who decided on that occasion. I believe I may say, what we have heard, that there is hardly an essay that has not great merit, and that, although the medal is given to that of the greatest merit, the whole of them deserved the attention of the officers who investigated the matter, and which show the amount of time, attention, and labour that officers have given to the discussion and enquiry into these important subjects. The Gold Medal, therefore, which this Institution gives, is a medal of great merit, one which any learned Society might be proud to bestow, and which any officer of either profession must be delighted to possess. I am sure that those officers who have given up so much time and attention to the discussion of the merits of those who are to receive the medal deserve the full and hearty thanks of the profession and of the country. I have, therefore, the pleasure to move, "That the thanks of this meeting be given to Admiral Sir A. Cooper Key, Admiral Boys, and Commander May for their valuable services in adjudicating on the Naval Prize Essays."

Colonel Sir LUMLEY GRAHAM, Bart. :—

My Lords and Gentlemen,—I have great pleasure in seconding the motion which has been moved by Sir John Hay.

The Resolution was put from the Chair, and was carried unanimously.

Admiral Sir A. COOPER KEY :—

My Lords, Ladies, and Gentlemen,—I have great pleasure in acknowledging on the part of my colleagues and myself the vote of thanks that you so kindly have given to us for acting as Referees on the Naval Essays for this year. It is very interesting work, but I can assure you it is no sinecure, and when you consider the variety of subjects which is embraced by the subject of the Naval Essay this year I think you will see that we must have had some unusual difficulty in adjudicating the Medal. I cannot express the pleasure it has given me to find what enlightened views are entertained by the writers of the essays. I do not mean to apply this approval in each case to all branches of the subject, for, as you observe, there are four distinct subjects which must be taken up by each writer: first, the training and education of the officers and seamen of the Navy; then the construction of ships and vessels of all classes of the Navy; the third is the mode of attacking fleets and ships at sea, and defending fleets and ships at sea; and finally, the mode of attacking ships in harbour, and protecting fleet anchored in harbour. Those four subjects are to be considered with relation to the advance which has been made of late years in the use of the torpedo, the ram, and the submarine mine, not omitting the use of ordnance. I must say I think any one of these subjects would have been enough for an essay, and it has resulted in one of the best essays, that by Captain Hastings Harris,—for which I cannot help expressing admiration,—being so long that we were unable, in accordance with the regulations, to consider it in the competition. I believe that I express the feelings

of my colleagues when I say that we can not concur in all the views of any of the essays; it is extremely improbable that we should be able to do so. Some of them are a little fanciful on the matter of education, some of them think a little too much of the importance of the torpedo in warfare, some of them ignore its importance. It is not likely that men like Admiral Boys, Captain May, and myself, who have had a considerable amount of experience in considering these matters connected with the future of naval warfare, should be able to express an opinion favourable to all parts of the essays, but, as I have said, there is great merit in parts of all of them. In the motto of the essay which gained the prize, "Tempora mutantur," the quotation should be continued. It would then read, "The times are changing, and we ought also to change with the times." It would form a very good motto for this Institution. The principles inculcated by this motto have been adopted by the writers of all the essays, and, to my mind, it promises well for the future of the Navy, as showing the way in which young officers are opening their eyes, and taking to heart the vast changes that are taking place in everything connected with naval warfare. And I take this opportunity of saying that this Institution has done very much for officers of all ranks in the Navy in opening their minds to what is going on around us, and counselling them to keep pace with the times. I read, only a day or two ago, a letter from a young Midshipman of 18, writing to his father on the mode that he would propose for attacking a fleet by torpedo boats, and I assure you his views are practical and judicious. That boy will become one of our distinguished officers; he has shown unusual ability since he has been in the Service; everything he has undertaken he has done well. I will not detain you longer, but will only say, in my own name and in that of my colleagues, how much we appreciate your thanks for our services.

Admiral Sir ERASMIUS OMMANNEY, C.B., F.R.S. :—

My Lords,—Having heard such valued testimony with regard to the beneficial results derived from the Prize Medal, I think it only right to draw the attention of the meeting to the name of the gallant officer who established its annual presentation. It was no less than the gallant General Sir Charles Wilson, K.C.B., that distinguished and talented officer of the Royal Engineers who did such good service during the recent Soudan Campaign in that desperate advance to relieve Khartoum.

The Marquis of RIPON then vacated the Chair, which was taken by the Chairman of the Council, Lord CHELMSFORD.

General G. ERSKINE :—

My Lords, Ladies, and Gentlemen,—The Resolution which has been placed in my hands is, "That the thanks of this meeting be given to the Most Honourable the Marquis of Ripon for having taken the Chair this day." At first sight it may appear perhaps rather unfair on the part of this Council to ask a statesman at the head of a large department of the State like the Admiralty to leave his office for the purpose of taking the Chair at our Annual Meeting; but I think, on further consideration, it must be allowed that this Institution has very great claims upon those who are placed at the head of the Army and Navy, inasmuch as it confers very great benefits on both those services. Now, while I say this, it must not be inferred that I mean that we are not very greatly indebted to the Marquis of Ripon for kindly coming amongst us to-day. I am quite sure that we all appreciate most highly the honour that he has done us in taking the Chair, and presiding, as he has done so ably, on the present occasion. I now move that this Resolution be accepted, and I am sure it will be most cordially.

Admiral Sir A. COOPER KEY :—

Lord,—I beg leave to second the Resolution just proposed by General Erskine, which is, "That the thanks of this meeting be given to the Marquis of Ripon for his kindness in presiding upon this occasion." I am sure everyone who is here knows the sacrifice it is to anyone holding a high office, as his Lordship now

does, to come here even for an hour, in the busiest part of the day, to take part in the proceedings of this Institution, and we must feel that it is only his Lordship's thorough conviction that the encouragement of this Institution renders good service to both the Army and Navy, which has induced him to give up his time to come amongst us. The interest that has for many years been taken by both the War Office and the Admiralty in this Institution, I hope, will be further manifested by assisting us in obtaining a new site for a new building, when, as Admiral Fremantle says, the time comes for this to be pulled down about our ears. The future of the Institution much depends on a good site being provided for it, and I am sure the interest taken in it by the First Lord of the Admiralty and the Secretary of State for War could not be better shown than by assisting us when that time comes.

The Resolution was put from the Chair, and was carried unanimously.

The Marquis of RIPON :—

My Lords, Ladies, and Gentlemen,—I thank you very much for the Resolution to which you have just come. I can assure you it has been a great source of satisfaction to me to be able to be present on this occasion. I look upon it as part of my duty in the office which I have now the honour to fill, and as not an unimportant part of that duty, to do anything that I can to testify to the great interest which I feel in the welfare of this Institution, and to prove how highly I appreciate the benefits which in my judgment it is calculated to confer both upon the Army and upon the Navy. Gentlemen, it is now more than twenty years ago since, when I was connected with the War Office, I had the honour of doing the work which I have undertaken this day. At that time, as connected with the administration of the Army, I felt the same interest that I now feel in this Institution. I myself have been a Member of the Institution for a very great number of years. During the twenty years which have elapsed since the time to which I have alluded, very great changes have been going on in both the Services, changes in organization, in tactics, and above all in matériel, especially in guns and in ships. At the time that I have been speaking of, when I first became connected with the War Department, those changes were in their commencement; they are not concluded yet, and it is sufficient to glance at the topics which have been dealt with in the Essays of which we have just been speaking to see how many questions of the greatest magnitude and importance in connection with the Navy, and it is the same, I take it, with the Army, still remain to be discussed and to be solved. Gentlemen, such a period of change as that through which we have been passing in both Services for the last twenty-five or thirty years necessarily imposes great difficulties both upon those who are concerned in the administration either of the Army or the Navy and also upon the officers of both of those Services, and it is because I believe that the Royal United Service Institution is well calculated to aid the Government, and military and naval officers, in overcoming those difficulties, and in discharging for the best interests of the country the great responsibilities which the present state of things throws upon them, that I especially recognise, and am very glad to recognise, the services which this Institution is rendering. By the papers which are read here, and the discussions which follow upon them, you are, as it seems to me, doing an invaluable work both for the Navy and for the Army. I am not one of those who think that evil will come from the free discussion of professional questions; on the contrary, I believe that such free discussion is calculated greatly to aid every Government in the solution of the many difficult professional questions which come before both branches of our warlike services at the present time. And certainly, when we look at the work which you are doing, when we cast our eyes, for instance, over this list of papers which have been read before the Institution during the past year, when we see how completely they cover the very wide field both of military and of naval organization which is brought before us in these days, we cannot doubt, as it seems to me—I certainly cannot entertain the smallest hesitation in saying—that the work which you are doing here is of very great public value. Therefore it was a pleasure

to me to be invited to take the Chair upon this occasion, and I eagerly seized upon the opportunity to renew my acquaintance with the Members of this Institution, and once more to express to them my unchanged and unchanging interest in their useful labours for both professions. I am very glad, therefore, Gentlemen, to be able upon this occasion to congratulate you on the flourishing condition of this Institution. The report which has been read shows that your financial condition is very satisfactory, and, although there may be some slight diminution in the number of your Members at the present moment, I cannot doubt that that diminution will pass away, and that your progress in all respects in number of Members and in increase of funds will be all that those who are warmly interested in the welfare of this Institution can desire. Nothing can be more important than the increase which the report shows to have taken place in the number of books in the Library. I believe I am not wrong in saying that that library is of very great value indeed, and that its value is recognised, not in this country only, but abroad. It contains now, as this Report tells us, more than twenty-one thousand volumes, and 427 volumes have been added to it in the course of the present year. If you were doing nothing else except providing such a professional library as that for the advantage of those of your Members who are able from time to time to consult it, you would be doing a very important work, and I rejoice to see continued signs of progress in the advance which you are making in all respects. Gentlemen, my gallant friend, Admiral Fremantle, and one of the other speakers this afternoon, threw, if I may venture to say so, a fly over me with respect to what might happen if ever you should be turned out of this building. Well, Gentlemen, all I can say is that my sympathies undoubtedly will be with you when that event occurs, and that, recognising, as I have said before, the great value of this Institution to the public service, I shall be very glad, if upon that or upon any other occasion I have it in my power, while I hold the office that I have now the honour to fill, to do anything to promote the advantage of this Institution. Gentlemen, perhaps you will allow me for a moment to say a word or two with regard to those distinguished men whose names are mentioned in this Report among the list of Vice-patrons, and who passed away from us in the course of the past year. I need not tell any of those who are here the claims which Sir George Sartorius has upon the Naval Service, or the just grounds of sincere and heart-felt regret at his loss which his character and his services afford to all those who had the honour of his acquaintance. With reference to the Duke of Somerset, I venture to say, and I think, in saying it, I shall speak the opinion of the great and noble profession with which I have now the honour of being connected, that there have been very few First Lords of the Admiralty who have deserved better of the Naval Service than my late noble friend. He was a great personal friend of mine; it was my pleasure and my happiness, when I was at the War Office and he was at the Admiralty, to go about with him in the old "Enchantress" upon many occasions to visit the different ports and arsenals of the country. I got then a little insight into naval administration, I learned something of the mode in which he conducted his duties at the Admiralty, and it will be my earnest desire, so far as I may, to walk in his steps. And then, we have lost no less a man than that distinguished and eminent soldier, Lord Strathnairn. No one who has been, as I have been, connected for some years with the administration of India but must most readily acknowledge the great and eminent services which he performed in that country. But his services were not confined to India alone, and history will record him as among the most honourable and distinguished names on the great roll of the British Army. And since this Report, I imagine, was written, we have lost within the last few days another noble Lord whose name I would venture to mention, Lord Waveney. I saw him, but a day or two before his death, in the House of Lords, and heard him take part in the discussions of that Assembly, and almost within a few hours he was taken from us. You will remember the interest he felt particularly in questions connected with the Reserve Forces, and how often he has appeared in this theatre, and given lectures, and taken part in your proceedings. Gentlemen, I will detain you no longer. I thank you very heartily for the reception you have given me, and I can assure you that it has been a very great pleasure to me to have met you upon this occasion.

## ADDITIONS TO THE LIBRARY AND MUSEUM DURING 1885.

### LIBRARY.

#### BOOKS PRESENTED.

**ADMIRALTY.** Charts, Plans, and Sailing Directions, published by the Hydrographic Department, Admiralty, from Jan. 1884 to Jan. 1885.  
*By the Admiralty.*

**ARCHEOLOGIA.** Vol. XLVIII., Part II.  
*By the Society of Antiquaries.*

**ARMIT,** R. H., Lieut. R.N. Light as a Motive Power. Vol. I. 8vo. Lond., 1875.  
*By the Publishers.*

**ASSOCIATION, British.** Report of the 54th Meeting, Montreal, 1884.  
*By the Association.*

**BAINBRIDGE-HOFF,** Comm. W., U.S. Navy. Examples, Conclusions, and Maxims of Modern Naval Tactics. 8vo. Portsmouth, 1885.  
*By the Publishers.*

**BAVAY,** Ad. Étude sur la Tactique des Feux de l'Infanterie. Pamph. Paris, 1884.  
*By the Publishers.*

**BELGIAN MINISTER OF WAR.** Map of Belgium in six sheets. Scale,  $\frac{1}{100,000}$ .  
**BELGIUM.** *Revue Militaire* for 1884. 4 Parts. Bruxelles, 1884.  
*By the Publishers.*

**BIRKHIMER,** W. E. Historical Sketch of the Organization, Administration, Matériel, and Tactics of the Artillery, U.S. Army. 8vo. Washington, 1884. *By the War Depart., U.S.A.*

**BOGAERT,** P. J. Van Deu. Hygiène, Assainissement d'une Caserne. Pamph. Paris, 1884.  
*By the Publishers.*

**BOLTON,** Col. Sir F., C.E. London Water Supply. 8vo. Lond., 1884.  
*By the Author.*

**BONAPARTE, Prince Roland.** Les Habitants de Suriname. Folio. Paris, 1884.  
Ditto. Les récents Voyages des Néerlandais à la Nouvelle-Guinée.

**BONAPARTE, Prince Roland.** Les derniers Voyages des Néerlandais à la Nouvelle-Guinée.  
Ditto. Les premiers Voyages des Néerlandais dans l'Insulmide 1595-1602.  
Ditto. Les premières Nouvelles concernant l'Eruption du Krakatau, 1883.  
*By the Author.*

**BRACKE,** E. La Question des Cuirasses dans la Défense des Côtes; translated from the German of Schütz. Pamph. Paris, 1884.  
*By the Publishers.*

**BRACKENBURY,** Major-Gen. H., C.B. The River Column. 8vo. Edinburgh, 1885.  
*By the Publishers.*

**BRIALMONT,** Lt.-General. Le Général Comte Todleben. Pamph. Bruxelles, 1884.  
*By the Publishers.*

**BRUCE,** W. Napier. Life of Gen. Sir Charles Napier, G.C.B. 8vo. London, 1885.  
*By the Publishers.*

**BURGOYNE,** Lt.-Col. Sir John. A short History of the Naval and Military Operations in Egypt from 1798-1802. 8vo. London, 1885.  
*By the Publishers.*

**BURGOYNE, Sir J.** Regimental Records of the Bedfordshire Militia, 1759-1884. 8vo. Lond., 1884.  
*By the Publishers.*

**BURMAH.** Précis of Information, 1879.  
*By the Intel. Branch, W.O.*

**BUXTON,** Major J. W. Permanent System of Administration. 12mo. Lond., 1883.  
*By the Publishers.*

**CAMBRELIN,** A. L. La Fortification de l'Avenir. 2 vols. 8vo. Paris, 1885.  
*By the Publishers.*

**CANADA,** Department of Militia, and Defence of. Annual Reports, 1884. *By Colonel Turnbull.*

CHADS. Admiral Sir Henry Ducie, G.C.B., Memoir of. 12mo. Portsea, 1869. *By Capt. R. Holden.*

CHESNEY, General F. R., Life of. By his Wife and Daughter. Edited by Stanley Lane Poole. *By the Publishers.*

CLARKE, F. C. H., Major, R.A. Translation of the Official Account of the Franco-German War, 1870-71. Section 20. *By the Sec. of State for War.*

CRUISE round the World of the Flying Squadron. 1869-70. 8vo. London, 1871. *By the Publishers.*

CURLING, J. J., Rev. Coastal Navigation, or Notes on the Use of Charts. 8vo. Portsmouth, 1885. *By the Author.*

DAULTON, C. Life and Times of General Sir Edward Cecil Viscount Wimbleton. 2 vols. 8vo. London, 1885. *By the Publishers.*

DAWSON, G. M. Descriptive Sketch of the Physical Geography and Geology of the Dominion of Canada (with 2 Maps). Pamph. Montreal, 1884.

Ditto. Comparative Vocabularies of the Indian Tribes of British Columbia. Pamph. Montreal, 1884. *By Geological and Natural History Survey of Canada.*

DAWSON, L. S., Commander R.N. Memoirs of Hydrography, 1750-1885. 2 vols. 8vo. Eastbourne, 1885. *By the Publishers.*

EGYPTE. Recensement Général de l'. Tome premier. 4to. Le Caire, 1884. *By Sec. of State for War.*

ELLIS, Major A. B. History of the First West India Regiment. 8vo. London, 1885. *By the Publishers.*

ENGINEERS, Civil, Institution of. Proceedings, Vols. LXXIX., LXXX., LXXXI., LXXXII. 8vo. London, 1885. *By the Institution.*

EUROPE. "A compleat" History of. 1676-1699. 8vo. London, 1699. *By Capt. O'Callaghan.*

EVANS, E. T. Records of the 3rd Mdsx. R. Volunteers. 8vo. London, 1885. *By the Author.*

FIX, H. C. La Stratégie Appliquée. 2 vols. 8vo. Paris, 1885. *By the Publishers.*

LA FRANCE par rapport à l'Allemagne. Svo. Paris, 1884. *By the Publishers.*

von GALSTER, C. Die Schiffs- und Küstengeschüke der Deutschen Marine. 8vo. Berlin, 1885. *By the Publishers.*

GILBARD, Lt.-Col. History and Guide Book. Gibraltar, 1885. *By the Editor.*

GINDELV, Anton. History of the 30 Years' War. 2 vols. 8vo. London, 1885. *By the Publishers.*

GOLDSMID, Major-Gen. Sir F., C.B., K.C.S.I. Northern India and Afghanistan. Paper read before the Manchester Geographical Society.

GRESWELL, W. Our South African Empire. 2 vols. 8vo. London, 1885. *By the Publishers.*

GUILLAUMOT, E. Le Fusil Rationnel. 8vo. Bruxelles, 1884. *By the Publishers.*

HALY, Lt.-Col. R. H. O'G. The Nile above the Second Cataract. Part I. Sairas to New Dongola. Part II. New Dongola to Abu-Hamed and Khartum. London, 1884. *By the Intel. Branch, W.O.*

HENBARD, P. Les Procédés Tactiques de Jules César. Pamph. Paris, 1884. *By the Publishers.*

HOLMES, T. R. E. A History of the Indian Mutiny. 8vo. London, 1885. *By the Publishers.*

HOZIER, H. M. Turenne. 8vo. London, 1885. *By the Publishers.*

HYTHE School of Musketry. Annual Reports, 1882-83-84. *By the Sec. of State for War.*

INDIA, The Armies of the Native States. 8vo. London, 1884. *By the Publishers.*

INDIA. Survey of Annual Report, 1883-84. Folio. Calcutta, 1885. *By the Sec. of State for India.*

INNES, Lt.-Col. P. R. History of the Bengal European Regiment, now the Royal Munster Fusiliers. 8vo. London, 1885. *By the Author.*

INSTITUTION, R. A., Woolwich. Proceedings, Vol. XII. *By the Institution.*

JAMAICA, Handbook of, for 1885-86. *By H. E. Sir H. W. Norman, K.C.B., C.I.E., Govr.-in-Chief.*

JAMES, F. L. The Wild Tribes of the Soudan. 8vo. London, 1884. *By the Publishers.*

JAMMOTTE, E. Étude sur la Construction d'un Appareil destiné à lancer des Charges de Dynamite. Pamph. Paris, 1884. *By the Publishers.*

JAPAN. Memoirs of the University Tokio. No. 11. A System of Iron Railroad Bridges for Japan. By J. A. L. Waddell, C.E., &c., &c., Pro-

xviii PROCEEDINGS OF THE FIFTY-FIFTH ANNIVERSARY MEETING.

essor of Civil Engineering in the University of Tokio, Japan. 1 vol. Text. 1 vol. Tables and Plates. *Published by the University.*

Ditto. Appendix to Memoir No. 5. Measurement of the Force of Gravity and Magnetic Constants at Ogasawarajima (Borien Island), reported by A. Tanakadate, Assistant to the Professor of Physics, Science Department. 4to. *Published by the University.*

JERVOIS, Sir W. F. D. The Defence of New Zealand. Pamph. Wellington, 1884. *By the Author.*

KEUCKER, Alb. L'Aérostation et les Pigeonniers Militaires. Pamph. Paris, 1884. *By the Publishers.*

LEURS, J. Étude sur la Tactique et les Procédés de Manceuvres de la Cavalerie à propos du dernier Règlement Belge. Pamph. Paris, 1884. *By the Publishers.*

LIVERMORE, W. R., Capt. U.S. Army. The American Kriegsspiel. Tables and Plates for ditto. Svo. Boston, 1882. *By the War Depart., Washington.*

LOTTIN, A. Étude sur le Tir d'une Batterie de Campagne. Pamph. Paris, 1884. *By the Publishers.*

MALCOLM, Major-General Sir John, G.C.B., K.I.S. A Memoir of Central India, including Malwa. 2 vols. London, 1824. *By Capt. O'Callaghan.*

MARSIGNY, L. Les Chemins-de-fer en temps de Guerre, considérés au point de vue de leur Destruction et de leur Rétablissement. Pamph. Paris, 1884. *By the Publishers.*

MAX MÜLLER. Sacred Books of the East. Vols. XX., XXII., and XXIV. *By the Sec. of State for India.*

MAY, G. Ballooning; a concise Sketch of its History and Principles. Svo. London, 1885. *By the Publishers.*

MAYNE, C.B., Lieut. R. E. Infantry Fire Tactics. Svo. Chatham, 1885. *By the Author.*

MCNAIR, Major F., late R.A. Perkals and the Malays, Sârong and Kris. Svo. London, 1882. *By the Author.*

METEOROLOGY of India. Report, 1882-83. *By Govt. of India.*

MICHEELS, M. Étude sur les Équipes de Siège. Pamph. Paris, 1884. *By the Publishers.*

MONTHAYE, E. Les Règles de Tir de l'Artillerie de Campagne Italienne comparées à celles des principales Artilleries Continentales Européennes. Pamph. Paris, 1884. *By the Publishers.*

NADAILLAC, Marquis de. Translated by N. D'Anvers. Pre-Historic America. Svo. London, 1885. *By the Publishers.*

NAPIER, General Sir G. T., Passages in the early Military Life of. Svo. London, 1884. *By the Publishers.*

NAVAL Architects. Translation of the Institution. Vol. XXVI. 1885. *By the Institution.*

NAVY List, 1824-25-26. *By the Institution.*

NETHERLANDS. Artillery Experiments conducted during 1884. Svo. Te Breda, 1885. *By the Netherlands Legation.*

DE NEUNHEUSER. La Période de 1883 à l'École de Tir et de Perfectionnement pour l'Infanterie. Pamph. Paris, 1884. *By the Publishers.*

NEWLANDS, J. A. R. The Periodic Law. Svo. London, 1884. *By the Author.*

NORDENFELT MACHINE GUNS. Die Nordenfelschen Maschinen-Geschütze. Wien und Buckarest, 1885. Pamph. 2 Copies. *Anonymously.*

OLIVER, S. P., Capt. late R.A. The True Story of the French Dispute in Madagascar. Svo. London, 1885. *By the Author.*

QUICK, George, Chief Engineer R.N. The Breech-loading Ordnance and Naval Gun Question in 1885. Pamph. Svo. Portsmouth, 1885. *By the Author.*

RAIKES, Major G. A. Roll of the Officers of the York and Lancaster Regiments, 1756-1884. Svo. London, 1885. *By the Author.*

Ditto. 2nd Battalion. ditto. *By the Author.*

REGULATIONS, Field Exercise, 1884. *By the Sec. of State for War.*

REGULATIONS. Manual Exercises, Rifle and Carbine and Bayonet Exercise, 1885. *By Sec. of State for War.*

Ditto. Cavalry. 1885. Ditto. *By the Author.*

Ditto. Queen's. 1885. Ditto. *By the Author.*

RENARD, B. Commentaires sur les Règlements de la Cavalerie. Tactique élémentaire de l'Arme. Svo. Bruxelles, 1884. *By the Author.*

ROTH, W. Jahresbericht über die Leistungen und Fortschritte auf dem Gebiete des Militär-Sanitätswesens, 1883-1884. Svo. Berlin. *By the Author.*

DE SAGHER, L. Notice sur les Frontières Ouest et Est de l'Allemagne. Pamph. Paris, 1884. *By the Publishers.*

SANITARY Institute of Great Britain, Transactions of. Vol. V., 1883-84. 8vo. London, 1884. *By the Institute.*

SCHAW, Colonel H., R.E. Defence and Attack of Positions and Localities. 3rd edit. 12mo. London, 1884. *By the Publishers.*

SCHLEY, W. S., and SOLEY, J. R., U.S.N. "The Rescue of Greely." 8vo. New York, 1885. *By the War Depart., Washington.*

SCOTT, R. N. An Analytical Digest of the Military Laws of the United States. 8vo. Philadelphia, 1873. *By the War Depart., Washington.*

SMITH, W. E. The Distribution of Armour in Ships of War. Lectures delivered at the R. N. C. Greenwich, 4th and 11th Feb. 1885. *By the Lords Commissioners of the Admiralty.*

THOM, Adam, LL.D. The Pentaglot. 8vo. London, 1885. *By the Publishers.*

THORNHILL, Mark. The Indian Mutiny. 8vo. London, 1884. *By the Publishers.*

UNIFORM of the United States Army, 1882. Folio. Philadelphia. *By the War Depart., Washington.*

UNITED STATES. War of the Rebellion. Official Records of the Union and Confederate Armies—

Series I. Vol. XI.	Part III.
" Vol. XII.	Part I.
" "	Part II.
" Vol. XIII.	Part III.
" Vol. XIV.	

8vo. Washington, 1884. *By the War Depart., Washington.*

Ditto. 2nd Annual Report of the Bureau of Ethnology, 1880-81. 8vo. Washington, 1883. *By the Director.*

Ditto. Report, Secretary of War, 1880. 6 vols. *By the War Depart., Washington.*

Ditto. Report, Chief of Ordnance, 1884. *By the War Depart., Washington.*

Ditto. Annual Report, Chief of Engineers, 1884. 4 Parts. *By the War Depart., Washington.*

Ditto. Report, Secretary of War, 1883. 6 vols. *By the War Depart., Washington.*

UNITED STATES. Geological Survey. 3rd Annual Report, 1881-82. *By the Director, Geological Survey.*

Ditto ditto. 4th Annual Report, 1882-83. *By the Director, Geological Survey.*

Ditto ditto. Geology of the Comstock Lode, with Atlas. Monograph III. *By the Director, Geological Survey.*

Ditto. Proceedings of a Board of Army Officers in the Case of Fitz-John Porter. 3 vols. and Atlas. 8vo. Washington, 1879. *By the War Depart., U.S.A.*

Ditto. Geological Survey. The Copper-bearing Rocks of Lake Superior. By Roland Duer Irving. Monograph V. *By the Director, Geological Survey.*

Ditto ditto. Comstock Mining and Miners. Elliot, Lord. Monograph IV. *By the Director, Geological Survey.*

Ditto. Professional Papers of the Signal Service. Nos. XIII., XIV., XV. *By the Director, Geological Survey.*

Ditto. Geological Survey. Bulletins 2-6. *By the Director, Geological Survey.*

Ditto. Contributions to N. American Ethnology. Vol. V. *By the Director, Geological Survey.*

Ditto. Geological Survey. Older Mesozoic Flora of Virginia, Fontaine. Monograph VI. *By the Director, Geological Survey.*

Ditto ditto. Silver-Lead Deposits of Eureka, Nevada. Curtis, Monograph VII. *By the Director, Geological Survey.*

Ditto ditto. Palæontology of the Eureka District. Monograph VIII. *By the Director, Geological Survey.*

Ditto. Smithsonian Report, 1883. 8vo. Washington, 1885. *By the Institution.*

WALKER, J. T., General, C.B., LL.D., F.R.S., F.R.G.S., President of the Geographical Section of the British Association, Aberdeen, 1885. Address to the Section. Pamph. 8vo. London. *By the Director, Geological Survey.*

v. WARTENBURG, von Graf Yorck-Napoleon als Feldherr. 8vo. Berlin, 1885. *By the Publishers.*

WAUWERMANS, H. Application des Règles de la Mobilisation aux Places Fortes. Pamph. Paris, 1884. *By the Publishers.*

WILSON, Colonel Sir C. From Korti to Khartum. 8vo. London, 1885. *By the Publishers.*

WITRY, E. Étude sur la Guerre de Siège. Pamph. Paris, 1883. *By the Publishers.*

## BOOKS PURCHASED, 1885.

ADAMS, W. H. Davenport. England on the Sea, or the Story of the British Navy. 2 vols. 8vo. Lond., 1885.

ANNUAIRE de l'Arme de l'Infanterie, 1885.

ANNUAIRE de la Marine et des Colonies, 1885.

ANNUAL Register, 1884.

BANNESS, J. F. Index Geographicus Indicus. 8vo. Lond., 1881.

BELLEVAL, Le Comte de. La Panoplie du XV<sup>e</sup> au XVIII<sup>e</sup> Siècle. 8vo. Paris, 1873.

BOURIENNE, M. de. Life of Napoleon Bonaparte. 12mo. 3 vols. Lond., 1831.

BOYER, A. Annals of Queen Anne. 11 vols. 8vo. 1703-13.

BRIALMONT, Lt.-Gen. La Fortification du Temps Présent. 2 vols. and Atlas. 8vo. Bruxelles, 1885.

BRODIGAN, Lt.-Col. F. Historical Records 28th Regt. from 1692 to 1882. 8vo. Lond., 1884.

BULLETINS and other State Intelligence for 1883. 2 vols. 8vo. Lond., 1883.

CARNET, de l'Officier de Marine, 1885.

CLARK, J., Sergt. Historical Record and Regimental Memoir of the Royal Scots Fusiliers (21st R.N.B.F.) 8vo. Edinburgh, 1885.

DELAP, J. B., Lieut. The Yeoman's Manual. 12mo. Lond., 1885.

DERRECAGAIX, V. La Guerre Moderne. 2 Parts with Atlas. 8vo. Paris, 1885.

DICTIONARY of National Biography. Edited by Leslie Stephen. Vols 1-5. 8vo. Lond., 1885.

DURO, Cesáreo Fernandez. La Armada Invencible. 2 vols. 8vo. Madrid, 1885.

ELLIOT, Adml. Sir G., K.C.B. A Treatise on Future Naval Battles and how to fight them. 8vo. Lond., 1885.

ENCYCLOPÆDIA BRITANNICA. Vols. XVIII., XIX. 4to. Edinburgh, 1885.

Ditto. Americana. Vol. 2. 4to. New York, 1885.

EUROPE. A "Compleat" History of, 1701-1712. 12 vols. 8vo. Lond., 1702-13.

EXERZIR-REGLEMENTS für die Infanterie, 1876. 12mo. Berlin, 1876.

FITZWYGRAM, Lt.-Gen. Sir F. Cavalry Memoranda. 8vo. Lond., 1885.

FRANCE. Budget Général de l'Exercice, 1886 (Marine).

FRENCH NAVY. Liste des Bâtiments de la Marine Française (Guerre et Commerce). Pamph. Paris, 1885.

LA GUERRE d'Orient en 1877-78. 10<sup>e</sup> Fascicule.

GOLTZ, von G. F. Das Volk in Waffen. 8vo. Berlin, 1884.

GORDON, C. G., Maj.-Gen., C.B. Journals at Khartoum. Introduction and Notes by A. Egmont Hake. 8vo. Lond., 1885.

GUNTER, Major E. Officers' Field Note and Sketch Book, and Reconnaissance Aide-Mémoire. 2nd Edit. Lond., 1884.

HAKLUYT Society. The Voyage of John Huyghen van Linschoten to the East Indies. 2 vols. 8vo. Lond., 1885.

HALKETT and LAING. A Dictionary of Anonymous and Pseudonymous Literature. Vol. 3. 8vo. Edinburgh, 1885.

D'HERISSON, Le Comte. Journal d'un Officier d'Ordonnance, Juillet, 1870—Février, 1871. 8vo. Paris, 1885.

HISTORICAL REGISTER from 1716-1738, inclusive. 23 vols. 8vo.

HOFFBAUER, von. Applikatorische Studie über Verwendung der Artillerie in Grössern Truppenverbanden. Pamph. Berlin, 1884.

HOHENLOHE-INGELFINGEN, Kraft, Prinz zu. Militärische Briefe.

Part I. Ueber Kavallerie.  
" II. " Infanterie.  
" III. " Artillerie.  
8vo. Berlin, 1885.

KRIEGSGESCHICHTLICHE Einzelschriften. Heft 6. 8vo. Berlin, 1885.

LANSDELL, H. Russian Central Asia. 2 vols. 8vo. Lond., 1885.

LONDON, Indicator Map of, and Visitors' Guide. Smith & Son.

MAHON, Lord. The Life of Belisarius. 2nd edit. 8vo. Lond., 1848.

MALLESON, Col., C.S.I. The Russo-Afghan Question, and the Invasion of India. 12mo. Lond., 1885.

MALTON, Capt. W. Sinnott's Catechism, 1885.

MARGA, A., Capitaine du Génie. Géographie Militaire. 1st Part. 2 vols. and Atlas. 1885.

Ditto. 2nd Part. 3 vols. and Atlas. 8vo. Paris, 1884.

MARVIN, C. The Russians at the Gates of Herat. 12mo. Lond., 1885.

MÉZERETTE, H. L'Art de combattre l'Armée Prussienne. Pamph. Paris, 1885.

MOLYNEUX, T. More. "Conjunct Expeditions." 8vo. Lond., 1759.

MURRAY, J. A. H., LL.D. A New English Dictionary on Historical Principles. Part II. 4to. Oxford, 1885.

NAPIER, Gen. Sir G. T., K.C.B. Passages in the early Military Life of. Edited by Gen. W. C. E. Napier. 8vo. Lond., 1884.

NELSON's Signal at Trafalgar. Pamph. 1885.

NEUMANN, Leopold, Baron de. Recueil des Traités et Conventions conclus par l'Autriche. Vol. II. 8vo. Vienna, 1884.

OFFICIAL Year-Book of the Scientific and Learned Societies of Great Britain and Ireland. 8vo. Lond., 1885.

PALMER'S Index to the *Times*, Dec. qr., 1884.

Ditto. March qr., 1885.

Ditto. June qr., 1885.

PLESSIX, H. Carnet de Poche à l'Usage des Officiers d'Artillerie. 1885. 12mo. Paris, 1885.

POTEN, Bernhard, and Ch. SPEIER. "Unser Volk in Waffen." Parts 1-9.

POWER, F. (the late). Letters from Khartoum. 12mo. Lond., 1885.

PRUSSIAN NAVY. Rang- und Quartier-Liste der Kaiserlich - Deutschen Marine, 1885.

RAMSAY, A. A Biography. Guide and Index to Climate. 8vo. Lond., 1884.

RANG- und Quartier-Liste der Königlich - Preussischen Armee für 1885. 8vo. Berlin, 1885.

RECORDS of the 39th Foot (Cannon's Series). 8vo. Lond., 1836.

REED, Sir E. J., K.C.B. A Treatise on the Stability of Ships. 8vo. Lond., 1885.

REGULATIONS, Manual of Instruction in Army Signalling, 1883.

Ditto. Field Exercise (Infantry), 1884.

RIVIÈRE, A. La Guerre avec la Chine. La Politique Coloniale et la Question du Tonkin. Pamph. Paris, 1883.

ROSS, Andrew. Old Scottish Regimental Colours. Folio. Edinburgh, 1885.

STACK, E. Six Months in Persia. 2 vols. 8vo. Lond., 1882.

STANFORD's Compendium of Geography and Travel. "Europe." Edited by Sir Andrew C. Ramsey. 8vo. Lond., 1885.

STANLEY, H. M. The Congo and the Founding of its Free State. 2 vols. 8vo. Lond., 1885.

STEVENS, J. L. History of Gustavus Adolphus. 8vo. Lond., 1885.

TISSANDIER, G. Les Ballons Dirigeables, Application de l'Électricité à la Navigation Aérienne. 12mo. Paris, 1885.

WATSON, Rev. J. S., and DALE, Rev. H. Translation, Xenophon's Cyropaedia and Hellenics. 8vo. Lond., 1882.

WEISE, A. J. The Discoveries of America to the Year 1525. 8vo. Lond., 1884.

## PARLIAMENTARY PAPERS RECEIVED IN 1885.

1825.

360. Papers relating to East India Affairs, viz., Discussions with the Burmese Government.  
1837.

534. Despatches from India, and other papers relative to the Distribution of Burmese Prize Money.

1853.

97. Copy of a Despatch addressed by the Secret Committee of the Court of Directors of the East India Company to the Governor-General of India in Council, on the 1st October, 1829. Conveying Instructions with respect

to Future Operations against Burmah. 1855.

46. Return of Officers of the Royal Army mentioned in Despatches of the late Major-General Godwin for Service in the Field during the late Burmese War.

46-1. Further Return ditto. 1856.

403. Return of the Names of Officers Commanding Brigades in the last Burmese War and of their Brigade Majors. 1863.

327. Copy of a Treaty with the King of Burmah, dated 10th November, 1862. 1867.

193. Copy of Papers relating to the late Rebellion in Upper Burmah. 1869.

251. Papers relating to British Burmah. 1884.

13. Supplementary Estimate, Navy, 1884-85.

14. Ditto ditto.

15. Supplementary Estimate, Army, 1884-85.

16. Ditto ditto.

17. Return, East India (Army System).

26. Return of British Ships, of more than 250 tons, Totally Lost, and Number of Lives Lost.

35. Army (Iron and Steel Guns).

36. Navy (H.M.S. Ajax and Agamemnon).

43. Navy. Ships Built and Building for H. M. Navy during the last four years. 1885.

41. Navy Estimate for 1885-86.

45. Supplementary Estimate for 1884-85.

46. Explanation of Differences between Amounts Proposed in the Navy Estimates for 1885-86 and the Amounts Voted for 1884-85.

47. Army (Chaplains).

49. Army Estimate for 1885-86.

52. Colonies (Military Service). Address of the Lords Spiritual and Temporal, with Her Majesty's Most Gracious Answer.

56. Greenwich Hospital, Capital and Income Accounts, 1883-84.

62. National Debt (Military Savings Banks).

63. Chelsea Hospital, 1883-84.

64. Greenwich Hospital and School. Appropriation Account, 1883-84.

65. Military Forces, Localization Account, 1883-84.

68. Health of the Navy, 1883.

69. Army (Colonies).

70. Army (Variation of Numbers).

75. Army Appropriation Account, 1883-84.

76. Navy Appropriation Account, 1883-84.

(76.) Army Return of the Number of 1st Class Army Reserve. Registered as Desirous of Civil Employment.

77. Army (Indian Home Charges).

90. Army (Commissions from the Ranks).

92. Army, 1884-85. Supplementary Estimate.

93. Army, 1884-85. Supplementary Estimate, Vote A.

97. Army (Loss of Life in Egypt).

109. Army, 1884-85. Supplementary Estimate.

110. Navy, 1884-85. Supplementary Estimate.

115. Army (Nile Expedition Casualties).

119. Army Return, Acts of Parliament, Orders in Council, Royal Warrants, &c., connected with the Army.

137. Return, Manufacturing Establishments (Annual Accounts).

149. Navy, Dockyard Expense Accounts, 1883-84.

150. Ditto. Part II.

155. Naval and Military Operations, Vote of Credit, 1885-86.

158. Army Supplementary Estimate, 1885-86. Vote A.

184. Navy (Revised Estimate, 1885-86).

202. Naval Savings Banks.

203. Colonel Sir C. Wilson, C.B.

207. Nile Expedition (Canadian Voyageurs).

210. Contagious Diseases (Army and Navy).

215. Military Savings Banks.

221. East India (Non-effective Changes of Her Majesty's Forces).

237. Navy (Gun Carriages and Mountings).

264. Return, East India Army System. (Army Transport.)

280. Navy (Tonnage Built).

292. Seamen's Savings Banks. Money Orders and Transmission of Wages.

305.

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305. Greenwich Hospital. Income and Expenditure, 1885-86.

311. Reports, Admiralty (Expenditure and Liabilities).

314. Naval Prize Money, &c.

323. Navy (Special Pension, Sir A. Cooper Key, G.C.B.)

325. Contagious Diseases (Home Army).

326. Navy (List of Ships, 1st August, 1885).

330. Navy (Ships built from 1865-66 to 1884-85).

331. Navy (Admiralty Cruisers).

350. Navy (Shipbuilding, 1885 - 86). Amended Programme.

356. Army (Hay).

357. Army (Nile Expedition Casualties).

358. Army (Courts Martial).

359. Army (Medical Staff Corps in Egypt and Soudan).

360. Suakin (Cost of Military Expedition).

1841.

[C-358.] Statistical Reports on the Sickness, &c., among H.M.'s Troops serving in Ceylon, the Terasserim Provinces, and the Burmese Empire. 1852.

[C-1490.] Papers relating to Hostilities with Burmah. 1853.

[C-1608.] Further ditto. 1876.

[C-1566.] Correspondence respecting New Guinea. 1883.

[C-3501.] Burmah (1883).

[C-3617.] Further Correspondence, New Guinea.

[C-3641.] Western Pacific. Natives of, and Labour Traffic.

[C-3691.] Further Correspondence, New Guinea.

[C-3814.] Ditto ditto. 1884.

[C-3839.] New Guinea and the Western Pacific Islands.

[C-3863.] Ditto ditto.

[C-3905.] Ditto ditto.

[C-4018.] Reports upon the Cultivation of Woods and Forests.

[C-4126.] Report, State of Affairs, Western Pacific.

[C-4217.] New Guinea and the Western Pacific.

[C-4219.] Report of Committee on Contracts for Building or Repairing H.M.'s Ships.

[C-4242.] Finances of Egypt.

[C-4257.] Despatch of Government Force to Skye. 1885.

[C-4273.] New Guinea and the Western Pacific Islands.

[C-4278.] Affairs of Egypt (No. 1, 1885).

[C-4280.] Ditto No. 2.

[C-4281.] Ditto No. 3.

[C-4290.] Africa, New Guinea, and Western Pacific.

[C-4296.] Yeomanry Cavalry Training Return, 1884.

[C-4297.] Militia Regiments Training Return, 1884.

[C-4298.] Annual Return, Volunteer Corps, 1884.

[C-4314.] Annual Return, Inspector-General of Recruiting, 1884.

[C-4324.] Australia — Canada. Offers by the Colonies of Troops for Service in the Soudan.

[C-4325.] Suakin-Berber Railway.

[C-4387.] Correspondence, Central Asia, No. 2 (1885).

[C-4388.] Ditto ditto No. 3.

[C-4389.] Ditto ditto No. 4.

[C-4345.] Egypt, No. 9 (1885). British Military Operations in the Soudan.

[C-4375.] Preliminary Return of the British Army for 1884.

[C-4401.] Navy (Hydrographer's Report, 1884).

[C-4437.] Correspondence. Offers by the Colonies of Troops for Service in the Soudan.

[C-4454.] Army Medical Department Report for the Year 1883.

[C-4467.] Wellington College Report, 1884.

[C-4468.] Returns of the Number of Courts Martial in the Royal Navy in 1883.

[C-4472.] Egypt and the Soudan. Withdrawal of Troops from Dongola.

[C-4490.] Report, Railways, in India, 1884-85.

[C-4494.] Correspondence. Offers by the Colonies of Troops for Service in the Soudan.

[C-4498.] Navy. Building and Repair of Ships.

[C-4508.] Recommendations of the Ordnance Committee as to the Construction of Ordnance.

[C-4532.] Report, Board of Visitors, to R.M.A., Woolwich, 1885.

XXIV PROCEEDINGS OF THE FIFTY-FIFTH ANNIVERSARY MEETING.

[C-4533.] Report, Board of Visitors, to R.M.C., Sandhurst, 1885.  
 [C-4562.] 23rd Report. Patriotic Fund.  
 [C-4563.] Report, Military Prisons, 1884.

[C-4570.] General Annual Return, British Army, 1884.  
 [C-4584.] Further Correspondence. New Guinea and the Western Pacific Islands.

PUBLICATIONS PURCHASED AND EXCHANGED.

ALMANACS—

ARMY AND NAVY.  
 BRITISH AND COMPANION.  
 DE GOTHA.  
 INCORPORATED LAW CALENDAR.  
 OLIVER AND BOYD.  
 ROYAL KALENDAR.  
 SERVICE.  
 WHITAKER.

ANNUAL REGISTER.

ASSOCIATION, BRITISH (PROCEEDINGS OF).  
 " NATIONAL RIFLE (PROCEEDINGS OF).

BIBLIOGRAPHER.  
 BOOKSELLER.

DIRECTORIES—

ALDERSHOT MONTHLY.  
 COUNTY COMPANION.  
 KELLY'S POST OFFICE.  
 MEDICAL.  
 NEWSPAPER PRESS.  
 THOM'S IRISH.  
 VARIOUS CLUBS.  
 WOOLWICH MONTHLY.

ENGINEERING, INDIAN.

GUIDES—

A B C.  
 BOYLE'S COURT.  
 BRITISH POSTAL.  
 VACHER'S PARLIAMENTARY COMPANION.  
 ROYAL BLUE BOOK.  
 BRADSHAW'S MONTHLY.  
 " CONTINENTAL.

INSTITUTIONS (PROCEEDINGS OF)—

ANTHROPOLOGICAL.  
 CIVIL ENGINEERS.  
 MECHANICAL ENGINEERS.  
 NATIONAL LIFE-BOAT.  
 NORTH OF ENGLAND MINING AND MECHANICAL ENGINEERS.  
 ROYAL ARTILLERY.  
 ROYAL COLONIAL.  
 ROYAL, of Great Britain.  
 SANITARY, of Great Britain.  
 UNITED SERVICE OF INDIA,  
 VICTORIA, London.

JOURNALS—

EAST INDIAN ASSOCIATION.  
 SCIENCE.  
 SOCIETY OF ARTS.  
 BRITISH TRADE.  
 ROYAL SOCIETY, N.S. Wales.  
 ARCHAEOLOGICAL.  
 IRON AND STEEL.

LISTS—

ARMY. HART'S YEARLY.  
 " MONTHLY.  
 " OFFICIAL QUARTERLY.  
 " INDIAN.  
 NAVY. ROYAL.  
 " MONTHLY.  
 " QUARTERLY.

COLONIAL OFFICE.

WAR OFFICE.  
 FOREIGN OFFICE.

MAGAZINES—

ARMY AND NAVY.  
 COLBURN'S UNITED SERVICE.  
 ILLUSTRATED NAVAL AND MILITARY.  
 MILITARY TELEGRAPH BULLETIN.  
 NAUTICAL.  
 PHILOSOPHICAL. LOND., EDIN., DUBLIN.

NOTES AND QUERIES.

PAPERS—

ALLEN'S INDIAN MAIL.  
 ATHENEUM.  
 ARMY AND NAVY GAZETTES.  
 BROAD ARROW AND NAVAL AND MILITARY GAZETTE.  
 COLONIES AND INDIA.  
 DAILY NEWS.  
 DAILY TELEGRAPH.  
 ENGINEER.  
 ENGINEERING.  
 GLOBE.  
 IRON.  
 INVENTOR'S RECORD.  
 JACKSON'S WOOLWICH JOURNAL.  
 KNOWLEDGE.  
 LANCET.  
 MILITARY TELEGRAPH BULLETIN.  
 MORNING POST.  
 NATURE.

PAPERS (*continued*).

OUR OWN GAZETTE (3RD MIDDX.  
R.V.)  
PALL MALL.  
ROYAL FUSILIERS.  
ST. JAMES'S GAZETTE.  
SATURDAY REVIEW.  
STANDARD.  
TIMES, AND PALMER'S INDEX TO DO.  
UNITED SERVICE GAZETTE.  
VOLUNTEER RECORD.  
" SERVICE GAZETTE.  
" REVIEW.  
PEERAGE—  
LODGE.  
BURKE.  
WALFORD.  
PROCEEDINGS. Depart. Director of  
Artillery.  
" Depart. Director of  
Military Education.  
PROFESSIONAL PAPERS. R.E.S.M.E.,  
Chatham.  
REVIEWS—  
EDINBURGH.  
QUARTERLY.

REVIEWS (*continued*).

WESTMINSTER.  
SOCIETIES—  
ANTIQUARIES.  
ASTRONOMICAL.  
GEOGRAPHICAL.  
HORTICULTURAL.  
MANCHESTER LITERARY AND PHILO-  
SOPHICAL.  
NATIONAL AID, Sick and Wounded.  
NAVAL ARCHITECTS.  
QUEBEC, Literary and Historical.  
ROYAL.  
ROYAL AGRICULTURAL.  
ROYAL ASIATIC.  
" of Bengal.  
" Bombay Branch.  
ROYAL, of Edinburgh.  
ROYAL HUMANE.  
SHIPWRECKED MARINERS.  
STATISTICAL.  
TELEGRAPH ENGINEERS.  
ZOOLOGICAL.  
STATESMAN'S YEAR-BOOK.  
YEAR-BOOK OF FACTS.

## AMERICA.

AMERICAN SOCIETY, CIVIL ENGINEERS.  
ANNUAL REPORT, BUREAU OF ETHNO-  
LOGY.  
ANNUAL REPORT, SMITHSONIAN INSTI-  
TUTE.  
ARMY AND NAVY JOURNAL.  
ARMY REGISTER. OFFICIAL.  
LIBRARY JOURNAL.  
LITERARY NEWS.

NOTES ON THE CONSTRUCTION OF ORE-  
NANCE.  
ORDNANCE NOTES.  
SCIENTIFIC AMERICAN.  
UNITED STATES MILITARY SERVICE  
INSTITUTE.  
UNITED STATES NAVAL INSTITUTE.  
UNITED SERVICE, NEW YORK.

## AUSTRIA.

MITTHEILUNGEN AUS DEM GEBIETE DES  
SEE-WESENS. (POLA.)  
MITTHEILUNGEN ÜBER GEGENSTÄNDE  
DES ARTILLERIE UND GENIE-WESENS.  
ORGAN DER MILITÄR-WISSENSCHAFT-  
LICHEN VEREINE.

## REVUE D'ARTILLERIE.

" DE CAVALERIE.  
" DES DEUX MONDES.  
" MARITIME ET COLONIALE.  
" MILITAIRE DE L'ÉTRANGER.

## GERMANY.

ARCHIV FÜR DIE ARTILLERIE- UND  
INGENIEUR-OFFIZIERE DES DEUTSCHEN  
REICHSSHEERES.  
JAHRBUCHER FÜR DIE DEUTSCHE ARMEE  
UND MARINE.  
JAHRESBERICHTE ÜBER DIE VERÄNDER-  
UNGEN UND FORTSCHRITTE IM MILI-  
TÄRWESEN.  
MILITÄR LITERATUR-ZEITUNG.  
" WOCHENBLATT.  
" NEUE MILITÄRISCHE BLÄTTER.

## BRAZIL.

RIVISTA MARITIMA BRAZILEIRA.

## FRANCE.

BULLETIN DE LA RÉUNION DES OFFI-  
CERS.  
JOURNAL DU MATELOT.  
JOURNAL DES SCIENCES MILITAIRES.  
LE SPECTATEUR MILITAIRE.

ITALY.

GIORNALE D'ARTIGLIERIA E GENIO.  
RIVISTA MARITTIMA.  
" MILITARE ITALIANA.

JAPAN.

SEISMOLOGICAL SOCIETY TRANSACTIONS.

RUSSIA.

MILITARY SCIENCE AND LITERATURE.  
ENGINEER JOURNAL.

SPAIN.

ILLUSTRACION NACIONAL.  
RIVISTA GENERAL DE MARINA.  
" MILITAR ESPANOLA.  
MEMORIAL DE INGENIEROS DEL EJÉRCITO.

SWEDEN.

KONGL. KRIGS VETENS KAPS-AKADEMIE.

SWITZERLAND.

REVUE MILITAIRE SUISSE.

MAPS, PLANS, CHARTS, SKETCHES, &c.

*Presented and Purchased, 1885.*

Map of the Nile, 2nd Cataract.  
*Intel. Branch, W.O.*  
S.W. Frontier, S. African Republic, 1884.  
*Intel. Branch, W.O.*  
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Map of the Country between Suakin and Berber.  
*J. Wyld.*  
Map of Afghanistan, Anglo-Russian Frontier.  
Map, Canadian Pacific Railway.  
Map of Newfoundland.

1" Ordnance Maps. England and Scotland. New Series.  
Carta dell Alto Egitto, dell Abissinia.  
Charts, Coast of Japan.  
*By Japanese Govt.*  
Map illustrating Colonel Gerard's Journey through Kurdistan.  
Maps of Victoria, Queensland, S. Australia, and Tasmania.  
*By Commander Henderson, R.N.*  
Trigonometrical Survey of Belgium, 6 sheets (*in continuation*).  
*By the Belgian Govt.*  
Trigonometrical Survey of Denmark (*in continuation*).  
*By the Danish Govt.*  
Charts, Pilots, Sailing Directions, &c., issued by the Admiralty, 1884-85.  
Photographs and Lithographs. R.C.D., R.G.F., and R.L., Royal Arsenal.

MUSEUM.

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*Engineers*  
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*Rifles.*  
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Devon  
Davidson, D., C.B., Col. Edinburgh City  
Twyford, H. B., Lieut.-Col. late Hampshire  
Hardinge, C. S., Viscount, Col. A.D.C., 1st Kent  
Sweeny, Eugene, Capt. 3rd Kent  
Hutchinson, J., Hon. Col. 1st Vol. Batt. Lanc.  
Fusiliers  
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1st Vol. Batt. Leicestershire Regt.  
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K.R.R.C.  
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Turnbull, J. F., Colonel Canadian Hussars  
Sargood, F. T., Major Victoria Field Artillery, Melbourne.  
Disney, T. R., Col. Com. Local Forces, Victoria.  
Walker, A. G., Lt.-Col., Staff Officer for Artillery, Victoria.

GOLD MEDALLISTS.

*Military.*

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1885. Captain G. F. Browne, Northampton  
ton Regiment.

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1878. Captain P. H. Colomb, R.N.  
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Fremantle, C.B., C.M.G., R.N.  
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1884. Captain Charles Johnstone, R.N.

1885-86.

Subject for the Naval Prize Essay:—

“ The changes in the condition of naval warfare, owing to the introduction of the ram, the torpedo, and the submarine mine; having regard chiefly to the following points in our own and foreign navies, viz.:—Training of Personnel; Construction and Protection of Materiel, and Attack and Defence of Ships and Harbours.”